

ICI C12N001-21, C12R001:19; C12P021-02, C12R001:

AB WO 9004640 A UPAB: 19930928

DNA segment (I) coding for a polypeptide having the amino acid sequence of a chain in the gamma subunit dimer of FcepsilonRI (high affinity receptor for IgE) is new.

Also new are (1) polypeptides expressed by (I), (2) recombinant DNA comprising (I) and a vector, (3) transformed organisms containing such recombinant DNA and (4) a DNA sequence encoding the beta subunit of FcepsilonRI.

Pref. the specification includes the nucleic acid sequence (586 bases) encoding the rat gamma subunit (and the predicted amino acid sequence), and similar data for the alpha and beta subunits.

USE/ADVANTAGE - FcepsilonRI is a tetrameric complex (one alpha, one beta and two, disulphide linked, gamma subunits) present on **mast cells** and basophils and involved in the development of allergic responses. COS-7 cells transfected with cDNA for all 3 subunits will express the receptor at the cell surface, permitting detailed studies of IgE/receptor interaction and development of therapeutically useful inhibitors. Human alpha-subunit polypeptide may also be used therapeutically (as an allergy antagonist) and as a diagnostic reagent. @ 0/12

FS CPI

FA AB

MC CPI: B04-B04A1; B04-B04A3; B04-C01G; B12-D02; B12-K04A; D05-H03B; D05-H08; D05-H12

ABEQ EP 439535 B UPAB: 19961219

A DNA segment coding for a polypeptide having the amino acid sequence of a chain of the gamma-subunit dimer of FcERI or a functionally equivalent homologue thereto.

Dwg.0/12

=> d his

(FILE 'HCAPLUS' ENTERED AT 06:31:35 ON 05 MAY 2004)

DEL HIS

L1 1 S US20030091974/PN
E MOUSSY A/AU
L2 17 S E4
E KINET J/AU
L3 166 S E3,E5,E7
E AB/PA,CS
E AB SC/PA,CS
L4 17 S E10-E13
E MAST CELL/CT
L5 11787 S E22,E3+NT
E E3+ALL
L6 18215 S MAST CELL
L7 65 S L2,L3,L4 AND L5,L6
L8 1 S L7 AND (BIOCHEM?(L)METHOD?)/SC,SX
L9 3 S L7 AND G01N/IC,ICM,ICS
L10 3 S L8,L9,L1
L11 2 S L10 NOT 15/SC,SX
L12 18150 S L5,L6 NOT L7
L13 523 S L12 AND (BIOCHEM?(L)METHOD?)/SC,SX
L14 133 S L12 AND G01N033/IC,ICM,ICS
L15 124 S L12 AND DRUG SCREENING+OLD,NT,PFT/CT
E DRUG SCREENING/CT
L16 124 S L12 AND E3-E5
E E3+ALL
L17 124 S L12 AND E8,E9
E E7+ALL

L18 142 S L12 AND E7+NT
 E E9+ALL
 E E14+ALL
 L19 1 S L12 AND E2
 E E4+ALL
 E E13+ALL
 L20 15 S L12 AND E3
 L21 2384 S L12 AND E2+NT
 L22 623 S L13,L14
 L23 73 S L22 AND L15-L20
 L24 105 S L22 AND L21
 L25 132 S L23,L24
 L26 72 S L25 NOT GENETIC?/SC,SX
 L27 64 S L26 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)

FILE 'REGISTRY' ENTERED AT 07:21:02 ON 05 MAY 2004

L28 1 S TYROSINE KINASE/CN
 L29 3 S (TRYPAN BLUE OR 3H-THYMIDINE OR CHROMIUM-51)/CN
 L30 2 S ESTERASE/CN
 L31 2 S (CALCEIN OR ETHIDIUM HOMODIMER 1)/CN
 L32 2 S PROPIDIUM IODIDE/CN OR 34215-57-1
 L33 15 S 103171-49-9 OR 115926-52-8 OR 139691-76-2 OR 140208-17-9 OR 1
 L34 13670 S (?KINASE?(L) PHOSPHORYLATING?)/CNS
 L35 2227 S (?KINASE?(L)?TYROSINE?)/CNS
 L36 11131 S (?ESTERASE OR ?LIPASE?)/CNS

FILE 'HCAPLUS' ENTERED AT 07:34:20 ON 05 MAY 2004

L37 2042 S L28,L30,L34-L36 AND L5,L6
 L38 337 S L29,L31-L33 AND L5,L6
 L39 78 S L37,L38 AND L22
 L40 69 S L39 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)
 L41 55 S L5,L6 AND (3H(A)TYRMIDINE OR TRYPAN# BLUE OR PROPIDIUM(A) (IOD
 L42 0 S L5,L6 AND DIOCTADECYLOXACARBOCYAN?
 L43 51 S L41 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)
 L44 119 S L40,L43
 L45 70 S L44 AND L13,L14
 L46 29 S L44 AND SCREEN?
 L47 29 S L44 AND TEST?
 L48 87 S L45-L47
 L49 913 S L12 AND (CBL OR CRKL OR DOC OR AKT OR P125FAK OR P125 FAK OR
 L50 763 S L12 AND (IL3 OR (IL OR INTERLEUKIN) ()3)
 L51 38 S L49,L50 AND L13,L14
 L52 53 S L49,L50 AND SCREEN?
 L53 116 S L49,L50 AND TEST?
 L54 242 S L48,L51-L53
 L55 19 S L54 AND CYTOMETR?
 L56 24 S L54 AND FLUORESC?
 L57 71 S L54 AND CELL(L) (DEATH OR SURVIV? OR PROLIFERAT? OR VIAB?)
 L58 17 S L54 AND APOPTO?
 L59 92 S L55-L58
 L60 35 S L59 AND CULTUR?
 L61 19 S L60 NOT P/DT
 SEL DN AN 7 8
 L62 2 S L61 AND E1-E6
 L63 16 S L60 NOT L61
 SEL DN AN 1 2 12 13 16
 L64 11 S L63 NOT E7-E21
 L65 13 S L62,L64,L11
 L66 8 S L54 AND L7
 L67 13 S L65,L66
 L68 57 S L7 NOT L67
 SEL DN AN 2 3 4 7 8 9
 L69 6 S L68 AND E22-E39

L70 19 S L67,L69
L71 18 S L7 AND P/DT
L72 4 S L71 NOT L70
L73 23 S L70,L72 AND L1-L27,L37-L72
L74 23 S L73 AND MAST CELL
L75 17 S L74 AND (?ESTERASE? OR ?LIPASE? OR ?KINASE? OR ?TYROSIN?)
L76 20 S L74 AND (SCREEN? OR TEST? OR G01N/IC,ICM,ICS OR (BIOCHEM?(L)M
L77 23 S L74-L76

FILE 'HCAPLUS' ENTERED AT 07:55:34 ON 05 MAY 2004

FILE 'BIOSIS' ENTERED AT 07:56:00 ON 05 MAY 2004

E MOUSSY A/AU
E KINET J/AU
L78 69 S E5,E7 AND MAST CELL
L79 1 S L78 AND P/DT
L80 63 S L78 AND PY<=2001

FILE 'WPIX' ENTERED AT 07:57:52 ON 05 MAY 2004

L81 849 S MAST CELL/BIX
L82 131 S L81 AND G01N033/IC,ICM,ICS
E MOUSSY A/AU
L83 16 S L81 AND E3
E KINET J/AU
L84 19 S E3,E4 AND L81
L85 20 S L83,L84
L86 4 S L82 AND L85
L87 58 S L82 AND C12Q/IC,ICM,ICS
L88 54 S L87 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)
L89 15 S L88 AND ?KINASE?/BIX
L90 3 S L88 AND (THYMIDIN? OR TRY PAN# BLUE OR PROPIDIUM OR 51CR OR 51
L91 5 S L88 AND (?ESTERASE? OR ?LIPASE?)/BIX
L92 1 S L88 AND (CALCEIN OR ETHIDIUM HOMODIMER)/BIX
L93 8 S L88 AND FLUORESC?/BIX
L94 2 S L88 AND (IL3 OR (IL OR INTERLEUKIN) () 3)/BIX
L95 6 S L89 AND ?TYROS?/BIX
L96 34 S L90-L95,L85
L97 6 S L89 NOT L96
L98 34 S L96 AND L81-L97
L99 14 S L98 NOT L83,L84
SEL DN AN 2 5 6 11
L100 4 S E1-E10
L101 24 S L85,L100 AND L81-L100

FILE 'WPIX' ENTERED AT 08:29:26 ON 05 MAY 2004

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